GROUP QUIZ 3 QUESTIONS

GROUP QUIZ 3 QUESTIONS

GROUP QUIZ 3 QUESTIONS

Write definite integrals for the following areas. **DO NOT EVALUATE THE INTEGRALS.**

[a] the area between the graphs of $y = 4 - x^2$ and $y = x^2 + 2x$ on $[-3, 0]$

[b] the area bounded by $y = \sqrt{x}$, $y = 2\sqrt{x-3}$ and $y = 0$

[c] the area defined by $y \geq x^2$, $y \leq 3x + 4$ and $y \leq 4$

Find the areas of the following regions.

[a] the area between the graphs of $y = x^2 + 3x$ and $y = 6 - 2x^2$

[b] the area between the graphs of $y = x^2 + 6x$ and $y = 4x^2 - 9$

GROUP QUIZ 3 QUESTIONS